TABLE 2

		Composition of Final Polymeric Material						Thermal Conductivity (W/M/°K)	
#	Blending Method	Polymeric Material		First Filler Material		Second Filler Material		Microtensile Sample	Test Specimen
1	Solvent	Ultem 1010 PEI	50%	DKD	50%	- -			1.326
2	Solvent	Ultem 1010 PEI	40%	DKD	60%				1.792
3	Solvent	Ultem 1010 PEI	30%	DKD	70%	er m		3.075	3.516
4	Dry blend	PPS	50%	DKD	50%				0.926
5	Dry blend	PPS	40%	DKD	60%		-		1.416
6	Dry blend	PPS	30%	DKD	70%			2.525	2.211
7	Extrusion	PEEK	30%	DKD	70%			2.501	
8	Solvent	Ultem 1010 PEI	50%	DKD	25%	Carborundum CTFS Boron Nitride	25%		1.140
9	Extrusion	PEEK	50%	DKD	25%	Carborundum CTFS Boron Nitride	25%		0.684
10	Solvent	Ultem 1010 PEI	50%			Carborundum CTFS Boron Nitride	50%	2.137	1.072
11	Extrusion	PEEK	50%			Carborundum CTFS Boron Nitride	50%	1.492	0.759
12	Solvent	Ultem 1010 PEI	50%			Transmit K102 Aluminum Flakes	50%		1.570
13	Dry blend	PPS	50%			Transmit K102 Aluminum Flakes	50%		1.229
14	Extrusion	PPS	50%			Transmit K102 Aluminum Flakęs	50%		0.777
15	Solvent	Ultem 1010 PEI	50%			AGM 3243 Graphite	50%	2.897	
16	Dry blend	PPS	50%			AGM 3243 Graphite	50%	2.497	